

# WATER QUALITY MEMORANDUM

## Utah Coal Regulatory Program

May 5, 2009

TO: Internal File

THRU: James Smith, Permit Supervisor *DS 05/07/09*

FROM: David Darby, Senior Reclamation Specialist III *[Signature]*

RE: 2009, 1<sup>st</sup> Quarter Water Monitoring, Hidden Splendor Resources, Inc., Horizon Mine, C/007/0020-WQ09-1, Task ID 3234.

The Horizon Mining operation is operating and mining coal. This report is based on data compiled in file; O:\007020.hzn\Water Quality\datacheck2007-2009(1).xls.

The water monitoring plan is outlined in Chapter 7 of the MRP. Surface and groundwater monitoring is required for the Horizon Mine under the operation plan. Kit Pappas is the contact for water monitoring issues. The hydrologic section was updated in June 2005.

Many of the sites were inaccessible during the first quarter because of snow and muddy road conditions.

1. Was data submitted for all of the MRP required sites? YES [ ] NO [X]

*Identify sites not monitored and reason why, if known:*

Springs During the operational and reclamation phases the springs will be monitored once each calendar quarter when the spring are accessible. SP-1, SP-2, SP-4, SP-9 (Jewkes Sp.), 2-6-W (Homestead Sp.) And GV-70. Ground water quality parameters to be checked are outlined in Table 2 of the MRP.

**The Permittee stated that spring monitoring sites on the mountain could not be accessed, because of deep snow in the mountains.**

Streams Stations SS-3, SS-5, SS-7, SS-8, SS-10 and SS-11 will be monitored once each quarter (as access conditions permit). Surface water quality parameters are outlined in Table 7-5 of the MRP.

**The Permittee stated that the stream monitoring sites on the mountain could not be accessed, because of deep snow in the mountains.**

Wells Water level data will be collected during the operational and reclamation phases from the HZ wells once each quarter when accessible.

**The Permittee stated that none of the well monitoring sites on the mountain could be accessed, because of deep snow in the mountains.**

UPDES      Monthly monitoring of flows from mine discharge and sedimentation pond.

**UPDES sites were monitored monthly for the quarter and all required data submitted.**

**2. Were all required parameters reported for each site?**      YES [ ]      NO [X]  
*Comments, including identity of monitoring site:*

Springs      **Could not gain access.**

Streams      **Could not gain access.**

Wells      **Could not gain access.**

UPDES      **All parameters were reported for UPDES sites.**

**3. Were irregularities found in the data?**

Springs      YES [X] NO [X]      **As mentioned in 1 and 2.**

Streams      YES [X] NO [X]      **As mentioned in 1 and 2.**

Wells      YES [X] NO [ ]      **As mentioned in 1 and 2.**

UPDES      YES [ ] NO [X]

**4. On what date does the MRP require a five-year resampling of baseline water data.**

Re-sampling due date is third quarter, July-September 2012.

**5. Based on your review, what further actions, if any, do you recommend?**

None

**Does the Mine Operator need to submit more information to fulfill this quarter's**

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**monitoring requirements?** [ ] Yes [X] No

**6. Follow-up from last quarter, if necessary.**

**Did the Mine Operator submit all the missing and/or irregular data (datum)?**

None needed.

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